

CLAIMS

1. An armor assembly for protecting a body disposed behind said armor assembly, wherein the armor assembly comprises at least one layer of material made of an essentially brittle material, said layer extending slanted relative the expected trajectory of an oncoming firearm projectile.
2. An armor assembly according to Claim 1, being transparent.
3. An assembly according to Claim 2, wherein at least a front layer is made of a material selected from the group of organic and inorganic transparent lightweight materials.
4. An armor assembly according to Claim 1, being opaque.
5. An assembly according to Claim 3, which said lightweight material is a heavy duty cloth material.
6. An armor assembly according to any one of Claims 1 to 5, comprising least one front layer made of monoblock.
7. An assembly according to Claim 6, wherein the at least one front layer is composite material.
8. An assembly according to Claim 7, wherein the composite front layer is made of a plurality of different lightweight transparent materials.
9. An assembly according to Claim 7, wherein the composite front layer is made of a heavy duty cloth material soaked with a suitable polymeric material that hardens upon curing.
10. An assembly according to any one of Claims 1 to 5, wherein at least one front layer is in the form of a multi-layer block in which the individual layers are slanted relative to the expected trajectory of an oncoming firearm.
11. An armor assembly according to claim 1, comprising a plurality of armor elements arranged in a serrated layout, the armor elements being essentially parallel to one another and extending tilted with respect to an expected trajectory of a projectile.

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12. An armor assembly according to claim 1, wherein a front layer is made of an essentially brittle material and a rear layer is made of an essentially ductile material, adjoining the front layer and constituting a backing layer.

13. An armor assembly according to claim 12, wherein the front layer is made of a playable material.

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